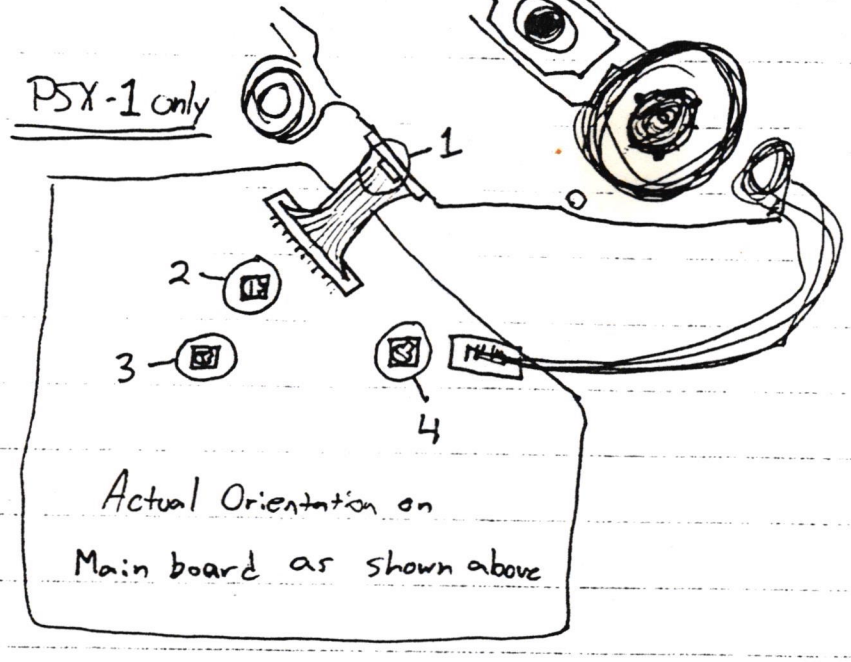
TROUBLE	PROBABLE CAUSES
Playstation power is on, but CD-ROM mechanism doesn't work/ No Beam From lens.	• CD lid switch is Faulty • Optical pickup carriage/ motor/gear is stuck or jammed. • Faulty or damaged drive controller chip or drive controller (50) fuse. • Loose or Faulty Connector wires or mainboard connectors
CD won't spin or spins at slow pace & continuous 'clicking' sound.	• Bad potentiometer set-up on laser wiper (Not enough current)
CD spins at hi-speed and won't load game	• Bad potentiometer Set-up on laser wiper (Too much Current)
CD Starts Spinning Sluggishly, random boot-up success but difficulty maintaining pace (CD speed) and loading game.	• Bad potentiometer Setup • Faulty Spindle motor • Hair, thread, etc. Caught up with Spindle motor shaft

PSX Testing Set-up

1. take off Cover, Check Potentiometers Below

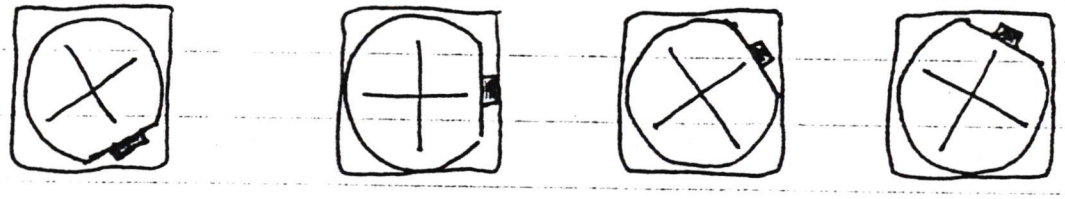
2.



typical wiper positions for most systems are as follows:

- Set wipers to these parameters -

1. 2. 3. 4.



Laser F-BIAS F-GAIN Push-Pull Amp

(Fine-tuning may be required during testing)

3. prop Door switch to closed position.

4. Make sure Power button is in its OFF position.

5. Connect AC and AV cables in proper, color-coded positions.

6. Make sure your test-Disk is scratch-Free and Free of Debris.

7. Start testing.

CD spins, loads game but FMV video intro skips.	• Misaligned optical pick-up/worn laser sled supports • Bad potentiometer set up on F-Bias and/or Laser wipers • Scratched or dirty laser lens • Scratched or dirty test-disk • Laser lens edge lifted • Bent spindle shaft • Dust on laser mirror
CD spins, loads game but FMV video intro skips and/or aborts plus, longer loading times.	• Misaligned optical pick-up/worn laser sled Supports • Bad potentiometer Setup • Scratched or dirty laser lens • Scratched or dirty test-disk • Laser lens edge lifted • Bent spindle shaft • Dust on laser mirror
CD spins but doesn't speed-up, Stops & switches to CD PLAYER/MEMORY CARD screen.	• Badly misaligned optical pick-up/worn laser sled Supports • Bad potentiometer setup • Scratched or dirty laser lens • Scratched or dirty test-disk • Laser lens edge lifted • Dust on laser mirror
CD spins clockwise then counter-clockwise repeatedly/has grinding Noise.	• CD spindle jammed down on spindle motor

Controller port not responding to commands / Memory card port not Accessing Data	• Fuse(s) on mainboard Faulty or loose • Controller port flex cable disconnected or loose
No picture (White Sony screen won't appear)	• Loose solder connections on video-out port • Bad video chip
No sound	• Loose solder connections on audio-out ports • Bad sound chip
No picture and sound	• Loose Solder connections on audio and video ports • Bad Chip(s)
Picture and sound distorted	• Bad Chip(s)